BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

Name of Work: Construction of Anganwadi Building at Jakkur Layout in ward No. 08 Amrutahalli

Est Cost : 20.00 Lakhs

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 08(ಅಮೃತಹಳ್ಳಿ) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Construction of Anganwadi Building at Jakkur Layout in ward No. 08 Amrutahalli ಕಾಮಗಾರಿ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಆಡಳಿತಗಾರರು, ಬಿಬಿಎಂಪಿ ರವರು ದಿನಾಂಕ: 21.09.2024ರಂದು ನಡೆದ ಸಭಾ ನಡವಳಿ ವಿಷಯ ಸಂಖ್ಯೆ. 192/2024-25

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 08(ಅಮೃತಹಳ್ಳಿ) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Construction of Anganwadi Building at Jakkur Layout in ward No. 08 Amrutahalli ಕಾಮಗಾರಿಗೆ ರೂ. 20.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಉಲ್ಲೇಖದನ್ವಯ ಮಾನ್ಯ ಆಡಳಿತಗಾರರು, ಬಿಬಿಎಂಪಿ ರವರ ದಿನಾಂಕ: 06.08.2024 ರ ನಡವಳಿ ವಿಷಯದ ಸಂಖ್ಯೆ. 95/24-25ರಲ್ಲಿ ಅನುಮೋದಿಸಿರುವಂತೆ 2024-25 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಪರಿಶಿಷ್ಟ ಜಾತಿ/ಪಂಗಡ ಕಲ್ಯಾಣ ನಿಧಿ ಕಾಮಗಾರಿಗಳ ಯೋಜನೆಯ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ 05-330501 ಪಿ-1878 ರ ಅಡಿಯಲ್ಲಿ ಮೀಸಲಿಟ್ಟ ಅನುದಾನದಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಜಕ್ಕೂರು ಬಡಾವಣೆಯಲ್ಲಿರುವ ಅಂಗನವಾಡಿ ಕೇಂದ್ರದ ಕಟ್ಟಡವು ಶಿಥಿಲಗೊಂಡಿದ್ದು, ಹೊಸದಾಗಿ ಕಟ್ಟಡವನ್ನು ನಿರ್ಮಾಣ ಮಾಡುವುದು ಅವಶ್ಯಕವಾಗಿರುತ್ತದೆ. ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಹಳೆಯ ಶಿಥಿಲಗೊಂಡ ಅಂಗನವಾಡಿ ಕಟ್ಟಡವನ್ನು ತೆರವುಗೊಳಿಸುವುದು.
2. ಹೊಸದಾಗಿ ಅಂಗನವಾಡಿಕಟ್ಟಡ ನಿರ್ಮಾಣಕ್ಕೆ ಮಣ್ಣು ಅಗೆತ ಮಾಡುವುದು
3. ತಳಪಾಯ ನಿರ್ಮಾಣ ಮಾಡುವುದು,
4. ಸಿಮೆಂಟ್ ಇಟ್ಟಿಗೆಯಿಂದ ಗೋಡೆ ನಿರ್ಮಾಣ ಮಾಡುವುದು
5. ನೆಲಕ್ಕೆ ವೆಟ್ರಿಫೈಡ್ ಟೈಲ್ಸ್ ಅಳವಡಿಸುವುದು
6. ಬಣ್ಣ ಬಳಿಯುವುದು, ವಿದ್ಯುತ್‌ದೀಕರಣ ಹಾಗೂ ಪ್ಲಂಭೀಂಗ್ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು PWD CSR SR 2023-24, ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2024-25ನೇ ಸಾಲಿನ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-1878ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ಕೋರಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Construction of Anganwadi Building at Jakkur Layout in ward No. 08 Amrutahalli

								Estimation Cost.Rs	2000000.00
Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
1	**Demolishing cement concrete** manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.**(PWD SR 2023-24 Vol -II Pg 187 item no 19.2.1)**								
a	Roof Slab	Cum	1	7.00	5.20	0.15	5.46		
b	Foundation LW		2	6.35	0.45	0.60	3.43		
	SW		2	3.70	0.45	0.60	2.00		
					Total		**10.89**	1829.30	**19915.59**
	Basic rate	1663.00							
	Area weightage 10%	166.30							
	Sub Total	**1829.30**							
2	**Demolishing brick work manually**/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.**(PWD SR 2023-24 Vol -II Pg 187 item no 19.7.1)**								
	For wall	Cum	2	6.35	0.35	2.70	12.00		
			2	3.70	0.35	2.70	6.99		
	cross wall		1	2.50	0.23	1.50	0.86		
					Total		**19.86**	530.20	**10528.18**
	Basic rate	482.00							
	Area weightage 10%	48.20							
	Sub Total	**530.20**							
3	**Dismantling tile work in floors** and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge.**For thickness of tiles 10 mm to 25 mm(PWD SR 2023-24 Vol -II Pg 189 item no 19.22.1)**								
	For Flooring	m2	1	6.35	4.65		29.53		
					Total		29.53	52.80	**1559.05**
	Basic rate	48.00							
	Area weightage 10%	4.80							
	Sub Total	**52.80**							
4	**Earth work excavation by manual means for drains**, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m **(PWD SR 2023-24 Vol -I Pg No 5 item no 1.4.2)**								
	For Columns	Cum	8	1.35	1.35	1.50	21.87		
	Long wall		2	9.80	0.75	0.75	11.03		
	For Short Wall		3	3.80	0.75	0.75	6.41		
			1	1.95	0.75	0.75	1.10		
	Toilet		1	2.40	0.75	0.75	1.35		
					Total		**41.75**	284.90	**11895.82**
	Basic rate	**259.00**							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
7	Providing and laying in position **Cement Concrete for all Sub structures** of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.**M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2023-24 Vol -I Pg 16 item no 2.4.3)**								
a	For Column Footing	Cum	8	1.20	1.20	0.60	6.91		
			8	0.75	0.60	0.60	2.16		
					Sub Total		**9.07**		
b	For Column		8	0.20	0.40	4.00	2.56		
					Sub Total		**2.56**		
c	For Plinth Beam		2	9.10	0.20	0.30	1.09		
			3	4.70	0.20	0.30	0.85		
d	For Beams		2	9.10	0.20	0.30	1.09		
			4	4.70	0.20	0.30	1.13		
					Sub Total		**4.16**		
e	For Roof Slab		1	9.10	5.50	0.15	7.51		
					Sub Total		**7.51**		
f	For Lintel		2	9.10	0.20	0.20	0.73		
			2	4.50	0.20	0.20	0.36		
					Sub Total		**1.09**		
					Total		**24.39**	9060.48	**220944.34**
	Basic rate	6336.00							
	For Centering 30%	1900.80							
		8236.80							
	Area weightage 10%	823.68							
	Sub Total	**9060.48**							
8	**Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement** including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification. All other type of structures **(PWD SR 2023-24 Vol -I Pg 18 item no 2.11 (a))**								
	For Ground Floor								
	Column and footing		Considering @ 250 kg/m3				1679.50		
	Beam		Considering @ 200 kg/m3				831.60		
	Roof Slab,and Lintel		Considering @ 120 kg/m3				1031.46		
			Total Wt in Kg				3542.56		
			Total Wt in Tonne				**3.54**	98402.70	**348597.47**
	Basic rate	89457.00							
	Area weightage 10%	8945.70							
	Sub Total	**98402.70**							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
12	**Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-Charge(PWD SR 2023-24 Vol -II Pg 41 item no 8.3.1)								
a	**Plastering inside** -Hall	m2	2	6.00		3.00	36.00		
			2	4.50		3.00	27.00		
	kitchen		2	2.50		3.00	15.00		
			2	2.30		3.00	13.80		
	store		2	2.50		3.00	15.00		
			2	2.00		3.00	12.00		
	Toilet		1	4.40		3.00	13.20		
						Total	**132.00**	389.40	51400.8
	Basic rate	354.00							
	Area weightage 10%	35.40							
	Sub Total	**389.40**							
13	**Providing 20 mm cement plaster with cement mortar 1:3** (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/ stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2023-24 Vol -II Pg 42 item no 8.6.2)								
	Outside plastering Hall	m2	2	9.10		3.95	71.89		
			2	4.90		3.95	38.71		
	Parapet		2	8.90		0.80	14.24		
	Headroom		2	4.50		0.80	7.20		
			2	3.40		2.50	17.00		
	Toilet		1	4.40		3.00	13.20		
						Total	**162.24**	471.90	**76561.06**
	Basic rate	429.00							
	Area weightage 10%	42.90							
	Sub Total	**471.90**							
14	**Providing and applying white cement based putty** of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.**(PWD SR 2023-24 Vol -II Pg 50 item no 8.51)**								
	wall putty- Internal and External	m2	Qty as per It No-12+13				**170.95**	110.00	**18804.5**
	Basic rate	100.00							
	Area weightage 10%	10.00							
	Sub Total	**110.00**							
15	**Finishing walls with Acrylic Smooth exterior paint** of required shade :New work (Two coat applied @ 1.67L/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.**(PWD SR 2023-24 Vol -II Pg 46 item no 8.30)**								

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
19	**Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick** on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. **(PWD SR 2023-24 Vol -II Pg 65 item no 9.39)**								
	For Toilet Wall Tiles	m2	1	4.4	1.50		6.6		
					Total		**6.6**	1593.90	**10519.74**
	Basic rate	1449.00							
	Area weightage 10%	144.90							
	Total	**1593.90**							
20	**Providing and laying Ceramic glazed floor tiles of size 300x300 mm** (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/m2 including pointing the joints with white cement and matching pigment etc., complete.(PWD SR 2023-24 Vol -II Pg 60 item no 9.9)								
	Bathroom Tiles	m2	1	1.00	1.20		1.20		
					Total		1.20	1183.60	1420.32
	Basic rate	1076.00							
	Area weightage 10%	107.60							
	Total	**1183.60**							
21	**Providing Honne wood frames of doors,** windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.**(PWD SR 2023-24 Vol -II Pg 99 item no 12.11)**								
	Door Frame	Cum	6	1.10	0.08	0.125	0.06		
			6	2.10	0.08	0.125	0.12		
					Total		**0.18**	151881.40	**27338.65**
	Basic rate	138074.00							
	Area weightage 10%	13807.40							
	Sub Total	**151881.40**							
22	**Providing and fixing in position fully panelled Honne wood shutters for doors** with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)**(PWD SR 2023-24 Vol -II Pg 100 item no 12.15)**								
	Door Shutter	m2	3	0.90	2.10		5.67		
					Total		**5.67**	8188.40	**46428.23**
	Basic rate	7444.00							
	Area weightage 10%	744.40							
	Sub Total	**8188.40**							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
26	**Providing & fixing of 3-track x 2-panel sliding windows** made out of multi chambered uPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made))**(PWD SR 2023-24 Vol -II Pg 110 item no 12.90)**								
	For windows	m2	6	1.20	1.20		8.64		
					Total		**8.64**	7407.40	**63999.94**
	Basic rate	6734.00							
	Area weightage 10%	673.40							
	Sub Total	**7407.40**							
27	**Polyurethane based Single Component for New Surface Providing and laying water proofing** treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6 kg/m2 to achieve final DFT (Dry Film Thickness) of 1mm including prime coat of epoxy primer @150 g/m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification. **(PWD SR 2023-24 Vol -II Pg 149 item no 15.1)**								
	For Terrace Waterproofing	m2	1	9.10	4.50		40.95		
			1	1.20	1.00		1.20		
					Total		**42.15**	898.70	**37880.205**
	Basic rate	817.00							
	Area weightage 10%	81.70							
	Sub Total	**898.70**							
28	**Providing and fixing M.S. grills** of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.**(PWD SR 2023-24 Vol -II Pg 86 item no 11.34B)**								
	For Windows	Kg	6	1.20	1.35		9.72		
							9.72		
			Considering @ 21 kg/m2				204.12		
	Basic rate	183.00			Total		204.12	201.30	**41089.36**
	Area weightage 10%	18.30							
	Sub Total	**201.30**							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
34	**Supplying and wiring adopting loop system in existing PVC Conduit /casing capping** using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **Medium point above 3m upto 6m from tapping point to out letvia switch (PWD Electrical SR 2023-24 Item No: 2.1.2 P.No.4)**								
		Point	6				6.00		
					Total		**6.00**	379.00	**2274.00**
35	**Supplying and wiring adopting loop system in existing PVC Conduit /casing capping** using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outletLong point above **6m upto 10m from tapping point** to out let via switch **(PWD Electrical SR 2023-24 Item**								
		Point	4				4.00		
					Total		**4.00**	555.00	**2220.00**
36	**Wiring for lighting/power circuit** using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS- 694:2010 **1 sqmm (PWD Electrical SR**								
		Mtr	1	30.00			30.00		
					Total		**30.00**	19.00	**570.00**
37	**Wiring for lighting/power circuit** using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. - **2.5 sqmm. (PWD Electrical SR 2023-24 Item No: 2.3.3 P.No.4)**								
		Mtr	1	30.00			30.00		
					Total		**30.00**	42.00	**1260.00**
38	Supplying 6A flush type socket and 6 A flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 3654 - 6Amps 3/5 Way **(PWD Electrical SR 2023-24 Item No: 3.1.2 P.No.7)**								
		Each	4				4.00		
					Total		**4.00**	147.00	**588.00**
39	**Supplying and flush mounting powder coated** / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall - **8Way (PWD Electrical SR 2023-24 Item No: 3.4.5 P.No.7)**								
		Each	4				4.00		
					Total		**4.00**	261.00	**1044.00**
40	**Supplying and flush mounting powder coated** / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall - **10-12 Way (PWD Electrical SR 2023-24 Item No: 3.4.6 P.No.7)**								
		Each	0				0.00		
					Total		**0.00**	319.00	**0.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
46	**Supplying of 1.1KV LT UG cable XPLE** or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm **(Ele SR 2019-20 P-No 40 I/No-6.4.4)**								
		mtr	1	30.00			**30.00**		
					Total		**30.00**	150.00	**4500.00**
47	**Labour charges for laying of 1.1 KV class UG cable** in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. **(Ele SR OF 2019-20 P-No 41 I/No-6.5.1)**								
		mtr	1	30.00			**30.00**		
					Total		**30.00**	11.88	**356.40**
48	**Digging of trench of 0.6m deep x 0.50** mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces**(P.No - 41, I.No - 6.6.3, KPWD Electrical SR 19-20)**								
		mtr	1	30.00			**30.00**		
					Total		**30.00**	82.00	**2460.00**
49	Supplying and fixing of class **A GI pipe on pole/wall/drain crossing** with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P.No - 41, I.No -6.9.1, KPWD Electrical SR 19-20)								
		Nos	1	4.00			**4.00**		
					Total		**4.00**	335.00	**1340.00**
50	**Earthing : Supplying and fixing and wiring earth electrode** for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia **(PWD SR 2023-24 Vol-V Page No.157, Item No.13.39)**								
		Nos	1				**1.00**		
					Total		**1.00**	3750.00	**3750.00**
	Basic Rate	3750.00							
	3% Area Weightage	112.50							
	Total	**3862.50**							
	Plumbing								
51	**Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes**, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall**(PWD SR 2023-24 Vol-II Page No.122, Item No. 13.31)**								
a	25 mm nominal dia Pipes (PWD SR 2023-24 Vol-II Page No.122, Item No. 13.31.3)	m	30				30.00		
					Total		**30.00**	349.80	**10494.00**
	Basic rate	318.00							
	Area weightage 10%	31.80							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Area weightage 10%	59.10							
	Total	**650.10**							
56	**Providing and fixing on wall face unplasticised Rigid PVC rain water pipes** conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 100 mm diameter **(PWD SR 2023-24 Vol -II Pg 125 item no 13.48)**								
	For Rain Water Pipe		4	6.00			24.00		
					Total		24.00	320.10	7682.40
	Basic rate	291.00							
	Area weightage 10%	29.10							
	Sub Total	**320.10**							
							Sub Total		**1652821.379**
							GST 18%		297507.85
							Add TP @ 3%		49584.64
							Misc		86.13
							Grand Total		**2000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2023-24 and Data Rates.

Assistant Engineer
Ward 8

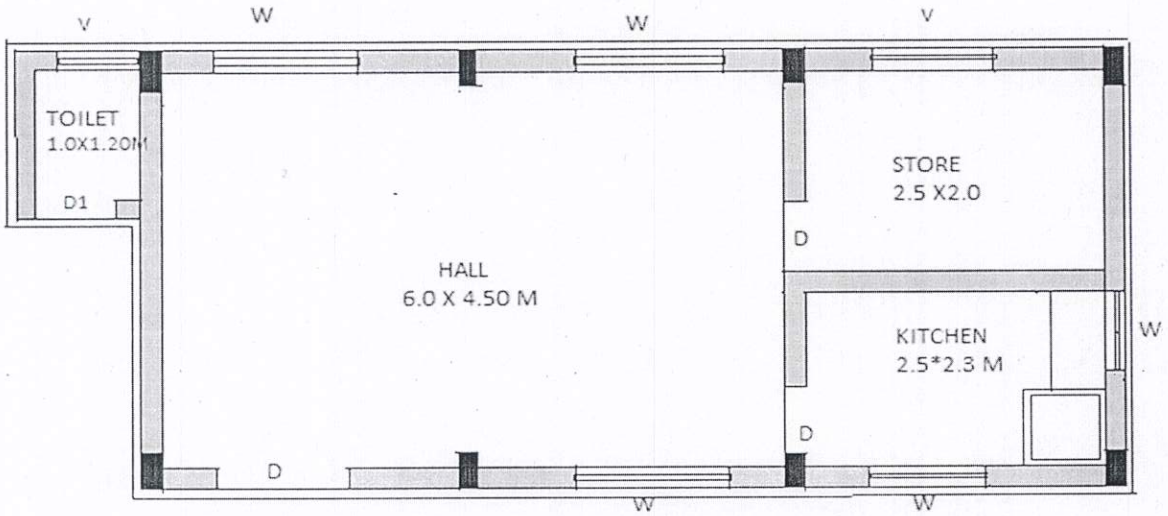
Asst. Executive Engineer
Kodigehalli Sub-Division

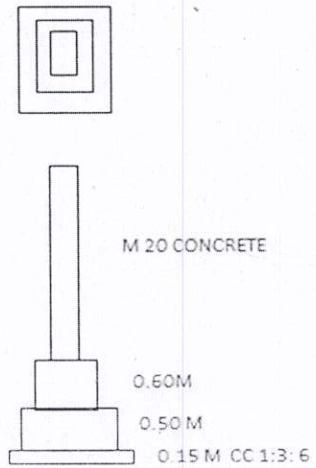
Executive Engineer
Byatarayanapura Division
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

ADMINISTRATIVE SANCTION
Accorded for Rs. 20.00 Lakh
Head of A/c. P1878
Div. Ref. No. 44 Date. 15/10/24
AE/DM
EE(BTP) BBMP

Technical Sanction
Accorded For Rs. 20.00 Lakh
Head of A/C. P1878
CER NO : 51 Dt: 15/10/24

Name of work : Construction of Anganwadi Building at Jakkur layout in Ward No 08(Amruthahalli), Kodigehalli sub Division

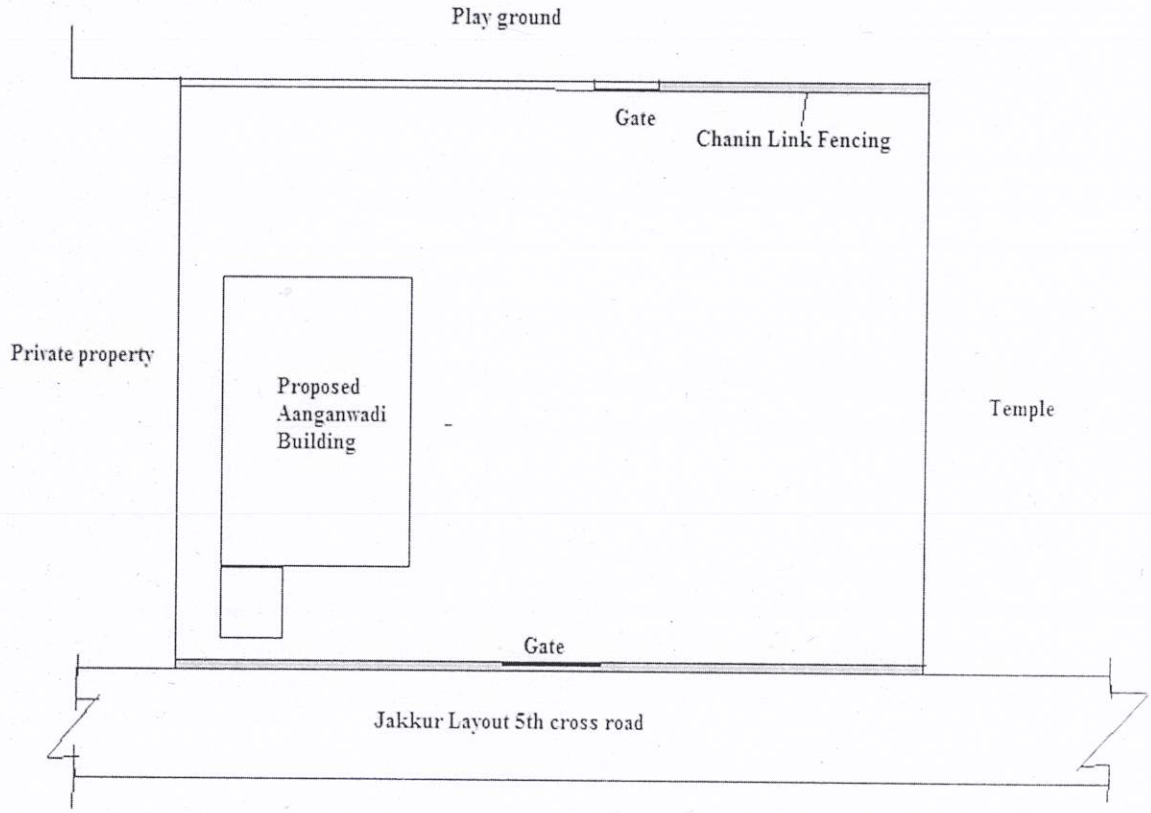




C/S OF COLUMN

INDEX
D = 0.90 X 2.10 M
D1= 0.75 X 2.10 M
W = 1.20 X 1.20M
V = 0.75 X0.45 M

Name of work : Improvements to road and drains at Jakkur Layout and other area in ward no 08 Amruthahalli



AE-W-8